URBAN DISTRICT OF AIREBOROUGH

ANNUAL REPORT

ON THE HEALTH AND SANITARY CIRCUMSTANCES OF THE DISTRICT FOR THE YEAR 1946.

ALEC MUSCHAMP, M. B., Ch. B.,
Medical Officer of Health.

JAMES FARRAR, M. S. I. A., A. M. I. P. C.
Senior Sanitary Inspector.

HEALTH COMMITTEE

(as on December 31st, 1946.)

Coun. A. Ward, Chairman.
Coun. J.E. Outhwaite, Vice-Chairman.

Coun. A.E. Hudson, Chairman of the Council.

Coun. W. Brooke,
Coun. E. Cunliffe,
Coun. Mrs. M.J. Exley,
Coun. H.H. Hudson,
Coun. Mrs. M. Martin,
Coun. L. McCoy,
Coun. H.D. Shepherd,
Coun. W.C. Wilby.

MEDICAL OFFICER OF HEALTH

ALEC MUSCHAMP

Bachelor of Medicine, Bachelor of Surgery.

SENIOR SANITARY INSPECTOR

JAMES FARRAR

Member of the Sanitary Inspectors' Association.
Examination for Associate of Institute of Sanitary Engineers.
Certificate of Royal Sanitary Institute and Sanitary Inspectors' Joint Examination Board.
Certificate of the Royal Sanitary Institute for Inspector of Meat and other foods.
Diploma of the Institute of Hygiene.
Testamur of the Institute of Public Cleansing.
Senior College of Preceptors, etc. etc.

ADDITIONAL SANITARY INSPECTOR

R. R. MARSHALL

Certificate of Royal Sanitary Institute and Sanitary Inspectors' Joint Examination Board

CLERICAL STAFF

Miss W. B. Houlden;
Miss E. M. Baldwin.

R E P O R T

of the

M E D I C A L O F F I C E R O F H E A L T H

FOR THE YEAR 1946.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE

GENTLEMEN,

I beg to present my report for the year 1946.

....

Population - The official figures given are 25,900, deducting 2,338 (the number of patients in the West Riding Mental Hospital at Menston) we get 23,562 for the district, 899 more than the previous year.

....

Birth-rate - There were 480 live births - 248 boys and 232 girls, of whom 32 were illegitimate. This gives a live birth-rate of 18.5 per thousand of the population against 19.02 in 1945. The rate for towns of between 25,000 and 50,000 inhabitants was 21.3. There were 13 still births, 3 boys and 10 girls equal to a rate of .50 per thousand of the population. The rate for towns of between 25,000 and 50,000 inhabitants was .59.

....

Death-rate - The deaths registered numbered 277, 133 males and 144 females, giving a death-rate of 11.8 per thousand of the population against 13.59 for the previous year. The rate for similarly sized towns in the Country was 11.7.

....

Infant death-rate - There were 20 deaths in infants under a year old - 16 boys and 4 girls, giving an infant mortality rate of 42.0 per thousand live births against 58.0 for 1945. The rate for corresponding sized towns in the Country was 37.

....

The use of miniature mass radiography has not been available for the general public of the district, but the County Council promise that they will endeavour to provide the necessary facilities at an early date.

....

The Council made representations to the West Riding County Council for the provision of a Maternity Home, and for a Welfare Institution. Both are urgently needed for the district.

....

An offer was made of a private estate to the Council, subject to same being used for a Home for Aged people. This offer was refused on the grounds that they had no powers to expend the ratepayers' money on a project of this nature. This finding is a great loss to the district, for it has been stressed in the past that a Home of this kind would have been one of the best assets this Council could have acquired for the benefit of the aged people, who are often left and sometimes found in distressing conditions.

....

....

A proposed divisional Medical area was submitted by the West Riding County Council, with the provision of full-time Medical Officers, and their retinue of staff, the greater portion of the cost to be borne by the County Authority, which has still to come out of the general ratepayer. We sincerely hope that the greatly increased cost of administration will benefit the public with added services, but we must remember that these increasing public costs may make better services, but the essential factor of life is the provision of good warm clothing and the necessity of good food; and these cannot be maintained if rates and taxes are exorbitant.....

....

In addition to this year's statistics, I have added charts to show the comparison of vital statistics since the inception of the Airoborough Urban District.

The following are the certified causes of death:-

	Male	Female	Total
Influenza	2	4	6
Tuberculosis - Respiratory	4	1	5
Tuberculosis - other forms	-	-	-
Syphilitic diseases	-	-	-
Diabetes	1	2	3
Cancer of Buccal cavity Oesophagus & uterus	-	3	3
Cancer of Stomach & duodenum	6	4	10
Cancer of breast	-	5	5
Cancer of all other sites	12	9	21
Intra cranial vascular lesions	14	21	35
Heart disease	36	55	91
Other diseases of circulatory system	2	1	3
Bronchitis	8	9	17
Pneumonia	4	2	6
Other respiratory diseases	3	1	4
Ulcer of stomach & duodenum	4	-	4
Diarrhoea (under 2 years)	2	1	3
Other digestive diseases	3	2	5
Nephritis	6	7	13
Other maternal causes	-	1	1
Premature birth	3	1	4
Defects at birth and birth injuries	7	2	9
Suicide	1	-	1
Road traffic accidents	1	1	2
Other violent causes	3	2	5
All other causes	11	10	21
	133	144	277

May I take this opportunity of expressing my thanks to you, Mr. Chairman, and all Members of the Council, both past and present, for their kindness and help, which I have received on all occasions since my appointment at the commencement of this Authority.

I am, Gentlemen,

Your obedient Servant,

(Signed) ALEC MUSCHAMP.

R E P O R T

of the

S E N I O R S A N I T A R Y I N S P E C T O R

FOR THE YEAR 1946.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE

Gentlemen,

I have much pleasure in presenting my tenth Annual Report for the year ending December 31st, 1946.

....

During the year the Committee provided assistance to the department by re-appointing an Additional Sanitary Inspector.

....

We have this year provided a few more detailed statistical charts which have been omitted during the war years, although we have not given all the information we consider necessary, as it is still considered that the report should be kept to a minimum.

....

The cost of refuse collection has increased, but this is due to the rise in wages, petrol, the provision of new vehicles, and protective clothing for employees.

....

An eight-day collection of refuse is now being maintained throughout the district.

....

....

The amount of salvage sold was only £59 less than the previous year, whilst the amount of paper salvaged was 159 tons, against 157 tons for the previous year.

....

Due to the difficulties of getting supplies the Yeadon Waterworks have not yet completed the pilot plant at the Reva reservoir, for experimenting with the removal of alumina, silica and manganese from the water supply.

....

The housing position in the district is not good, due to overcrowding from young married couples having to live with parents, etc., but with the building of Council houses this has relieved the position slightly.

....

....

We have been able to work in close co-operation with the Housing Manager on the question of re-housing, and we have gained valuable information on many housing aspects of the district.

....

....

The ever increasing cost of repairs and lack of materials for doing essential works to houses makes this aspect of our work very unsatisfactory. Owners are generally willing to place orders for the essential work to be done, but due to no fault of their own, it often takes contractors many months to complete.

....

....

May I take this opportunity of thanking you, Mr. Chairman, and Members for your kind co-operation in all matters relating to my department, while I should like to express my appreciation to the members of my staff for their loyal support during the year.

I am, Gentlemen,

Your obedient Servant,

(Signed) JAMES FARRAR

Senior Sanitary Inspector.

GENERAL STATISTICS

Mean height above sea level, feet	612
Area in acres	6,392
Estimated population (including 2,338 in the West Riding Mental Hospital)	25,900
Density of population per acre	3.76
Number of houses	7.927
Average number of persons per house	
(including West Riding Mental Hospital) ...	3.17
(excluding West Riding Mental Hospital) ...	2.97
Rateable value	£150,498
Product of a penny rate	£595

VITAL STATISTICS

Birth-rate		Boys	Girls	Total
Births (live)	Legitimate	230	218	448
	Illegitimate	18	14	32
		248	232	480
Births (still)	Legitimate	2	9	11
	Illegitimate	1	1	2
		3	10	13
Infant deaths	Legitimate	14	4	18
	Illegitimate	2	-	2
		16	4	20
		Males	Females	Total
Deaths		133	144	277

Deaths from:-

Cancer	18	21	39
Puerperal sepsis	-	-	-
Other maternal causes	-	1	1
Diarrhoea (under 2 years)	2	1	3
Measles	-	-	-
Whooping Cough	-	-	-
	20	23	43

SUMMARY OF VITAL STATISTICS

Birth-rate per 1,000 of the population	18.5
Still birth-rate per 1,000 of the population	.50
Death-rate per 1,000 of the population	11.8
Respiratory death-rate (apart from Tuberculosis) ...	1.15
Respiratory tuberculosis death-rate...	0.21
Death-rate from other forms of tuberculosis	Nil
Tuberculosis death-rate (all forms)...	0.21
Death-rate from cancer	1.66

Deaths from Puerperal Sepsis.

Death-rate from puerperal sepsis per 1,000 births ...	Nil
Death-rate from other puerperal causes per 1,000 births	2.03

Death-rate in Infants under a year old.

All infants per thousand live births	42.0
Illegitimate infants per 1,000 live births	4.2

NOTIFICATIONS OF INFECTIOUS DISEASE

The following notifications of infectious disease were received during the year 1946:-

	District Proper	West Riding Mental Hospital	Forces	Removed to Hospital
Scarlet Fever....	39	1	-	38
Diphtheria.....	5	-	-	5
Erysipelas.....	5	7	-	2
Measles.....	12	-	2	-
Whooping Cough...	43	-	-	-
Dysentery.....	-	13	1	-
Malaria.....	-	-	7	-
Pneumonia.....	8	4	-	1
Scabies.....	23	-	-	-
Cerebro Spinal Fever	1	-	-	1
Meningitis.....	2	-	1	1
Para-typhoid.....	1	-	-	1
Puerperal Pyrexia	1	-	-	-
Typhoid.....	-	1	-	-
	140	26	11	49

TUBERCULOSIS NOTIFICATIONS

	District Proper	West Riding Mental Hospital	Forces	Total
Respiratory.....	21	12	1	34
Other forms.....	5	2	1	8
	26	14	2	42

TUBERCULOSIS

Cases of Tuberculosis notified during 1946 with their respective age groups.

Disease		All ages	Under 1	1-5	5-15	15-25	25-45	45-65	65 and over
Respiratory Tuberculosis	M	20	-	-	-	3	14	3	-
	F	14	-	2	1	1	9	1	-
Other forms of Tuberculosis	M	4	-	1	1	1	-	1	-
	F	5	-	1	2	1	1	-	-
Deaths from Tuberculosis									
Respiratory Tuberculosis	M	4	-	-	-	-	1	3	-
	F	1	-	-	-	-	1	-	-
Other forms of Tuberculosis	M	Nil							
	F	Nil							

NOTIFIABLE INFECTIOUS DISEASES

The incidence of cases of infectious disease has been particularly low during the year of 1946, the largest number of cases being 43 of Whooping Cough, the next incidence being Scarlet Fever, of 39 cases. In the latter disease the cases were usually of a mild character.

There were only five cases of Diphtheria notified, against the population of 25,900, this being the lowest return for this Authority. This is, we feel sure, the result of the Immunisation Campaign which has always been kept to the fore in this district.

In the past ten years 183 cases of Diphtheria were notified, of which 93 were under 15 years of age. During that period we have only had 5 deaths from this disease.

During the year 42 cases of Pulmonary and Non-pulmonary Tuberculosis were notified, and since the inception of Aireborough, 415 cases were notified, of which only 55% were residents in the District proper, the remainder being patients at the West Riding Mental Hospital or members of the Forces, as shown by the appropriate chart.

There were no deaths from Non-pulmonary Tuberculosis against .08 for the rest of the country, and only 5 deaths from Pulmonary Tuberculosis, giving a death-rate of .21 against a death-rate of .46 for the country.

During the past 10 years there have been 81 deaths from Pulmonary Tuberculosis, giving an average death-rate of .25, whilst in that period there were 23 deaths from Non-pulmonary Tuberculosis, giving a death-rate of .109.

There were no deaths from Puerperal Sepsis during 1946, giving a death-rate of nil against .31 for England and Wales, but there was one death from other maternal causes. It is interesting to note that since the inception of Aireborough, over a period of 10 years, we have only had three deaths from Puerperal Sepsis and five deaths from other maternal causes.

We should be lacking in our duty if we did not pay tribute to the efficiency of the management of the Wharfedale Joint Infectious Disease Hospital by the Medical Superintendent, and particularly the Matron and her staff, for their kindness to the patients, and we have that confidence that when a patient is entrusted to their care, every endeavour will be made to ensure a rapid recovery. It is gratifying to know that during our term of office we have never received a single complaint from any ratepayer of the district.

INFECTIOUS DISEASE

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	Total
Diphtheria	41	16	14	10	15	31	29	13	9	5	183
Scarlet Fever	40	28	56	29	43	44	84	57	69	39	489
Enteric	-	1	1	-	-	-	-	-	-	-	2
Erysipelas	4	9	16	22	13	12	9	7	12	12	116
Pneumonia	10	16	29	24	41	23	44	11	11	12	221
Ophthalmia	1	1	-	-	-	1	2	2	-	-	7
Puerperal Pyrexia	5	2	2	1	-	-	2	2	1	1	16
Acute Poliomyelitis	1	-	1	1	-	-	-	-	-	-	3
Cerebro Spinal fever	-	1	-	1	3	3	2	-	1	2	13
Measles	-	-	2	547	150	137	388	21	381	14	1620
Whooping Cough	-	-	6	33	90	61	148	11	39	43	431
Dysentery	-	-	-	2	-	12	15	41	70	14	154
Paratyphoid	-	-	-	1	-	-	1	-	1	-	3
Acute Polio-encephalitis	-	-	-	1	-	-	-	-	-	-	1
Malaria	-	-	-	-	-	-	-	-	4	7	11
Typhoid	-	-	-	-	-	-	-	-	-	1	1
	102	74	127	672	355	324	724	165	598	150	3271

Causes of Death	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	Total
Cerebro-spinal fever	1	-	-	-	1	-	3	-	-	-	5
Whooping Cough	1	-	-	-	-	1	-	1	-	-	3
Diphtheria	1	-	-	-	1	1	2	-	-	-	5
Tub: of resp:sys:	4	9	5	6	19	9	8	6	10	5	81
Other forms of Tub:	4	2	3	2	5	4	2	-	2	-	24
Syphilitic diseases	-	-	1	2	1	1	-	-	1	-	6
Influenza	1	1	11	12	-	2	3	5	-	6	41
Measles	-	2	-	-	-	-	-	-	1	-	3
Cancer	34	36	41	35	36	34	34	43	47	39	379
Diabetes	3	5	5	4	5	3	5	4	-	3	37
Dis:heart & Blood vessels	63	106	125	130	123	116	122	114	137	129	1165
Bronchitis	7	8	7	16	25	15	13	18	26	17	152
Pneumonia	6	14	11	7	10	5	7	3	12	6	81
Other resp: diseases	2	4	4	5	-	2	7	3	2	4	33
Ulcer of stomach or duodenum	2	9	5	2	-	3	2	4	4	4	35
Diarrhoea under 2yrs	1	2	-	1	-	1	-	-	4	3	12
Appendicitis	2	2	2	2	1	1	-	1	-	-	11
Other digestive diseases	2	-	5	9	4	3	4	4	7	5	43
Nephritis	8	15	8	9	13	12	5	7	7	13	97
Puer: & post-abort: sepsis	1	-	-	2	-	-	-	1	-	-	4
Other maternal causes	-	-	2	1	-	1	-	-	-	1	5
Prem:births	9	8	13	5	5	5	2	7	8	4	66
Con:mal: birth inj: infant dis:	-	-	-	5	8	3	8	4	3	9	40
Suicide	-	3	3	6	3	1	1	3	2	1	23
Road traffic acc:	-	-	-	2	2	3	2	7	1	2	19
Other violent causes	7	5	8	11	12	1	3	6	5	5	63
All other causes	17	32	25	23	32	29	25	24	29	21	257
											2690

Death-Rate

	Males	Females	Total	Death-rate per 1,000 pop.
1946	133	144	277	11:8
1945	149	159	308	13:59
1944	126	139	265	11:61
1943	140	118	258	11:37
1942	129	127	256	11:4
1941	160	146	306	14:0
1940	154	143	297	14:4
1939	149	135	284	13:1
1938	136	127	263	12:4
1937(9 months)	96	80	176	11.5

Deaths from Cancer.

	Males	Females	Total	Death-rate
1946	18	21	39	1.26
1945	26	21	47	2.07
1944	16	27	43	1.88
1943	21	13	34	1.49
1942	15	19	34	1.5
1941	18	18	36	1.6
1940	15	20	35	1.7
1939	18	23	41	1.9
1938	18	18	36	1.69
1937	21	13	34	1.49

Birth-rate

	Boys		Girls		Total	Birth-rate per 1,000 pop'n
	Legitimate	Illegitimate	Legitimate	Illegitimate		
1946	230	18	218	14	480	18.5
1945	198	21	201	11	431	19.02
1944	232	17	201	11	461	21.91
1943	202	14	189	10	415	18.22
1942	172	13	151	12	348	16.1
1941	152	4	134	10	300	13.79
1940	149	5	121	7	282	13.69
1939	169	5	146	5	325	15.00
1938	143	7	157	2	309	14.57
1937 (for 9 months)	103	10	94	4	211	13.8

Still-births

	Boys		Girls		Total	Stillbirths per 1,000 pop'n
	Legitimate	Illegitimate	Legitimate	Illegitimate		
1946	2	1	9	1	13	.50
1945	5	-	5	-	10	.44
1944	8	1	2	-	11	.41
1943	3	-	4	-	7	.30
1942	8	-	6	1	15	.67
1941	7	-	4	-	11	.50
1940	4	-	5	-	9	.43
1939	9	1	4	1	15	.69
1938	10	2	3	1	16	.74
1937	6	-	11	-	17	.73

Deaths from Puerperal Sepsis

	Deaths from Puerperal Sepsis	Death-rate per 1,000 births	Deaths from other Puerperal causes	Death-rate per 1,000 births
1946	Nil	-	1	2.03
1945	Nil	-	Nil	-
1944	Nil	-	Nil	-
1943	Nil	-	Nil	-
1942	Nil	-	1	2.77
1941	Nil	-	Nil	-
1940	2	6.8	1	3.4
1939	Nil	-	2	6.1
1938	Nil	-	Nil	-
1937	1	3.5	Nil	-

TUBERCULOSIS NOTIFICATIONS

West Riding

	District		Mental Hospital		Forces		Total
	Pul.	Non-Pul.	Pul.	Non-Pul.	Pul.	Non-Pul.	
1946	21	5	12	2	1	1	42
1945	36	7	14	-	2	-	59
1944	18	8	19	1	1	-	47
1943	14	3	22	7	1	-	47
1942	18	3	25	1	2	-	49
1941	25	5	24	-	-	-	54
1940	37	6	17	2	2	1	65
1939	10	2	12	3	-	-	27
1938	11	1	10	3	-	-	25

TUBERCULOSIS DEATH RATES

	Pulmonary T.B. deaths			Death-rate	Non-Pulmonary T.B. deaths			Death-rate
	M.	F.	Total		M.	F.	Total	
1946	4	1	5	.21	-	-	-	-
1945	7	3	10	.44	-	2	2	.09
1944	2	4	6	.26	-	-	-	-
1943	5	3	8	.35	-	2	2	.09
1942	4	5	9	.4	2	2	4	.18
1941	13	6	19	.87	3	2	5	.23
1940	5	1	6	.29	1	1	2	.09
1939	2	3	5	.23	1	1	2	.139
1938	5	4	9	.42	1	1	2	.09

Infant Deaths

	Boys		Girls		Total	All infants per 1,000 live-births
	Legitimate	Illegitimate	Legitimate	Illegitimate		
1946	14	2	4	-	20	42.0
1945	11	1	12	1	25	58.0
1944	8	4	5	-	17	36.8
1943	8	-	7	-	15	36.1
1942	6	-	7	-	13	37.3
1941	8	2	6	-	16	53.33
1940	7	-	5	-	12	42.5
1939	11	1	5	-	17	52.3
1938	8	2	3	-	13	42.0
1937	7	2	6	-	15	71.0

HEALTH PROPAGANDA

The Aireborough Council encourage the visits of School-children to the Council's Laboratory by showing them the methods adopted for the safeguarding of the cleanliness of the milk supply, the purity of the water supply, the various steps taken for atmospheric pollution, and also educational matters with regard to the likelihood of food poisoning in tinned foods, and the cleanliness in relation to the handling of foods, Ice Cream, etc.

The Council also sponsored propaganda on the question of Venereal Disease, in conjunction with the Council of Health Education, and the West Riding County Council. Dr. Burgess of the latter Authority gave talks, literature was issued, and films shown, at both the Yeadon and Guiseley Town Halls. The attendance at both meetings was not large, but we hope that the lectures were enlightening to those who attended.

FOOD INSPECTION

The sampling of food and drugs is carried out in this District by the West Riding County Council, and their Inspectors are stationed at Harrogate.

There are 18 private Slaughterhouses in the District but these are only used for the slaughtering of Pigs with Food Office permits. The present meat allocation is slaughtered at the Otley abattoir. Assistance is given for the inspection of meat at that abattoir when requested.

The following is a list of food condemned during the past twelve months:-

Cheese	11 lbs.	Bacon	44 lbs.
Peaches	3 lbs.	Swiss rolls	49 lbs.
Dates	70 lbs.	Meat & Vegetables	7 lbs.
Flour	72 lbs.	Sausage meat	1½ lbs.
Syrup	2 lbs.	Semolina	210 lbs.
Eggs	754	Meat & Offals	780 lbs.
Pears	12 lbs.	Steak & Kidney	4 lbs.
Grade 1 Salmon	2 lbs.	Stewed steak	3 lbs.
Peas	9 lbs.	Pilchards	1 lb.
Beans	48 lbs.	Luncheon Meat	1 lb.
Evaporated Milk	61 lbs.	Lobster paste	1 lb.
Tomatoes	2 lbs.		
Jam	2 lbs.		
Cod fillets	80 lbs.		
Spam	1 lb.		
Prunes	25 lbs.		
Potatoes	15680 lbs.		
Butter	27¼ lbs.		

MILK AND DAIRIES

There are situate in the Urban District of Aireborough 36 farms, of which 4 produce Tuberculin Tested milk and 7 to Accredited standard. Some four years ago the Council decided to set up a Laboratory in the Health Department for testing milk. Both hot air and steam sterilisers, water baths, incubators, etc., were provided and during the year 360 samples of milk were taken and subjected to the following tests:-

Methylene Blue	140
Resazurin	198
Phosphatase	19
Bacteriological	12
	360

During the four years ending 31st December, 1946, 1,244 samples of milk were tested by the Council's own staff. The samples comprised:-

Methylene Blue	160
Resazurin	889
Phosphatase	117
Bacteriological	78
	1,244

Samples of Ice Cream are also tested in the Council's Laboratory and various experiments were made prior to the Ministry of Health bringing out the Methylene Blue standard for Ice Cream. Since then this method has been adopted.

Churn washings and milk bottle rinsings are also tested in the Laboratory.

In the District there is a small modern milk pasteurisation plant which serves part of the District and also provides pasteurised milk for over 90 schools in the West Riding, the area covered being the educational divisional areas of Pudsey, Bingley, Otley and Skipton. There is also another small pasteurisation plant being erected in the area.

HOUSING

During the year 1946 we saw the completion of the first post-war houses, a total of 89, comprising 50 temporary aluminium bungalows, and 18 permanent Council houses at Springfield, Rawdon, whilst private enterprise completed 21 houses.

The Council are erecting further permanent houses at Springfield, Rawdon, and also at the Haw, Yeadon, whilst it is also intended to erect bungalows for aged people at the Green, Guiseley.

The carrying out and enforcement of repairs to existing property is becoming exceedingly difficult, due to lack of materials, and also trying to maintain some houses which are beyond repair. In many cases the rents charged by virtue of the Rents & Mortgages Restriction Acts makes it a financial impossibility to bring the houses into a reasonable condition.

The details of slum clearance in the district of Aireborough since 1937 are as follows:-

22 Clearance Areas were confirmed by the Ministry of Health, comprising 320 houses and 83 other buildings, with a displacement of 1,037 persons. With regard to Clearance Areas Nos. 19-22, 40 of these houses are yet to be demolished and the persons re-housed therefrom. There were also 45 individual houses dealt with for demolition and 21 houses closed, with a displacement of 181 persons.

Since the inception of Aireborough new houses have been erected, of which statistics are appended, and it is interesting to note that during the period 1st April, 1937, to the end of 1946, 1,355 houses were erected, of which 599 were by private enterprise, and the Local Authority erected 205 permanent houses and 50 temporary Aluminium bungalows, whilst during the War the Ministry of Aircraft Production erected two estates in the district for War workers who were employed at the newly erected Aircraft factory situated just outside the Aireborough boundaries, and the total number of houses erected was 549, of which 48 are in Bradford.

ESTIMATED POPULATION

	District	West Riding Mental Hospital	Total	Density of population per acre
1946	23562	2338	25900	3.76
1945	22663	2377	25040	3.63
1944	22832	2428	25260	3.67
1943	22663	2391	25110	3.64
1942	22397	2403	24800	3.60
1941	21747	2433	24180	3.50
1940	20599	2281	22880	3.3
1939	21600	2110	23710	3.44
1938	21200	2020	23220	3.36
1937	20960	2040	23000	3.34

HOUSES

	No. of Houses	Average No. of persons per house, including West Riding Mental Hospital
1946	7927	3.17
1945	7839	3.19
1944	7839	3.22
1943	7839	3.31
1942	7839	3.16
1941	7339	3.29
1940	7339	3.11
1939	7440	3.19
1938	7403	3.19
1937	7000	3.00

NEW HOUSES ERECTED

Year	By L.A. Permanent	By L.A. Temporary	M.A.P.	Private Enterprise	Total	Demolished	Total
1946	18	50		21	89	1	7927
1942			501	-	501	1	7839
1940	5			5	10	111	7339
1939	76			32	108	71	7440
1938	66			337	403		7403
1937	40			204	244	123	7000
	205	50	501	599	1355	307	

SUMMARY OF HOUSES DEMOLISHED ETC. UNDER THE HOUSING ACTS

Clearance Areas	Houses Demolished	Other buildings demolished	Houses closed	Persons displaced
Clearance Area No.1	14			38
Clearance Area No.2	9			15
Clearance Area No.3	8			26
Clearance Area No.4	7			20
Clearance Area No.5	6	2		4
Clearance Area No.6	9	3		26
Clearance Area No.7	11			24
Clearance Area No.8	10	5		27
Clearance Area No.9	15			46
Clearance Area No.10	6			11
Clearance Area No.11	7	2		25
Clearance Area No.12	16	1		37
Clearance Area No.13	2	2		3
Clearance Area No.14	11			41
Clearance Area No.15	27	11		78
Clearance Area No.16	7			13
Clearance Area No.17	19	1		62
Clearance Area No.18	74	33		184
Clearance Area No.19	10	1		43
Clearance Area No.20	14	4		41
Clearance Area No.21	30	11		92
Clearance Area No.22	8	7		28
Individual Houses	45		21	181
	365	83	21	1065

NUMBER OF DWELLING HOUSES

	Number of houses at 31st Mar.1939	Houses completed during 1939-46	Houses demolished during 1939-46	Number of houses December 31st, 1946.
Guiseley	2121	306	50	2377
Esholt	151	1	-	152
Hawksworth	481	32	-	513
Menston	51	12	-	63
Rawdon	1778	52	10	1820
Yeadon	2821	305	124	3002
	7403	708	184	7927

REFUSE COLLECTION AND DISPOSAL

During the year ending 1946, 3,558 loads of refuse were collected. An 8-day collection of refuse is given throughout the District, and we also carry out refuse collection in a small portion of the Bradford City area and charge that city with the cost thereof. The disposal of refuse is by controlled tipping, land having been re-claimed at Leeds Road, Rawdon, Yorkgate, and Hawksworth Lane, and at present land is being re-claimed in conjunction with the Haw Housing Estate.

Salvage was commenced by the Council in April, 1940, and to 31st March, 1947, 2,365 tons of material have been salvaged and sold for £11,896. A statistical chart is appended.

The salvaged material is that which is collected from refuse only, and does not include such things as ashes from Electricity Works, sewage sludge and other materials manufactured at Sewage Works. These figures are salvage within the true meaning thereof and not inflated by the inclusion of materials from other Departments.

The cost of refuse collection and disposal for the year ending 31st March, 1947, was £284.4 per thousand population, £929.31 per thousand houses. These costs show a considerable increase over previous years, but this is due to the increase in wages, petrol and other materials relative to the Department; also, during the year 1946/7 a new refuse vehicle was purchased at a cost of nearly £900—out of Revenue, and also protective clothing at a cost of £160 was provided for all workmen in the Department, this clothing being 2 sets of overalls and a chrome-leather jacket for protection against cold and inclement weather.

It is interesting to note that this Department has no loan debts outstanding whatsoever, all replacements having been bought out of Revenue, and the Department is adequately equipped for dealing with all major and minor repairs to vehicles.

The Committee have already indented to the Ministry of Health that they propose to instal a modern refuse separation and disposal plant, including a modern transport depot for the Department.

Consideration was given for the provision of free dustbins and this was approved, but eventually eliminated by the Council due to expense.

REFUSE STATISTICS

Year	Cost per 1,000 Population	Cost per 1,000 Houses
1937-38	£137:78	£452:71
1938-39	£130:92	£410:64
1939-40	£129:56	£412:9
1940-41	£139:90	£436:16
1941-42	£169:34	£558:3
1942-43	£204:04	£646:76
1943-44	£180:61	£596:12
1944-45	£179:45	£578:2
1945-46	£192:53	£618:82
1946-47	£284.4	£929.31

SALVAGE STATISTICS

Year	Average weight of Salvage sold per 1,000 Population				Value of Salvage sold per 1,000 Population		
	T.	Cwt.	Qrs.	Lbs.	£	s	d
1940-41	17	6	-	18	68	5	4
1941-42	16	15	2	10	71	10	8
1942-43	17	8	1	20	93	3	9
1943-44	16	5	1	6	82	6	9
1944-45	11	10	2	21	64	17	8
1945-46	9	14	3	3	53	1	9
1946-47	7	14	1	4	48	12	2

SALVAGE

AMOUNT OF SALVAGE MATERIAL SOLD

Material	April 1940 - March 1946		April 1946 - March 1947	
	Weight T.	Price £.	Weight T.	Price £.
Paper	1244	6905	159	1046
Ferrous Metals	603	1160	30	61
Non-Ferrous Metals	11	330	½	17
Rags, etc.	115	1295	8	125
Bottles & Jars	101	709	1	6
Bones	34	125	¼	1
Cullet	42	59	-	-
Rubber	12½	32	1	2
Miscellaneous	2	22	½	1
	2164½	10637	200¼	1259

TOTAL YEARLY AMOUNT OF SALVAGE SOLD

Year	Weight T.	Price £.
1940-41	398	1563
1941-42	405	1732
1942-43	432	2312
1943-44	407	2062
1944-45	279	1640
1945-46	243½	1328
1946-47	200¼	1259
	2364¾	11896

PUBLIC CONVENIENCES AND BUILDINGS

The Council recommended the erection of public conveniences for both sexes at Oxford Road, Guiseley, and provision for the demolition of the existing urinal; and also at New Scarborough, Yeadon, the latter to be incorporated with the structure of a new 'bus shelter.

Notice was served for the provision of adequate sanitary accommodation at the Guiseley Conservative Club.

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FACTORIES AND WORKSHOPS

Forty-eight visits have been made to factories and workshops in the district and the following works were recommended for the re-construction of sanitary accommodation, etc.:-

J.J.L. Peate - Additional accommodation,
Males:- 3 urinals, 7 w.c's, 5 wash basins,
Females:- 3 w.c's, 8 wash basins.

Ives, Leafield Mills -
Males :- 2 urinals, 7 w.c's, 7 wash basins,
Females:- 5 w.c's, 6 wash basins.

Ives, Manor Mills -
Males:- 3 urinals, 4 w.c's, 5 wash basins,
Females:- 5 w.c's, 6 wash basins.

Moorfield Mills -
Males:- Urinal accommodation.

Old Dog Mills - Repairs to sanitary accommodation.

Messrs. Battys - Reconstruction of existing sanitary accommodation.

SANITARY ACCOMMODATION

On taking over the Authorities in 1937, there existed in the district 15 privies with open middens, 18 pail closets, and 288 privies with covered middens. Since that date 263 of these privies have been re-constructed as w.c's and 5 of the waste water closets have also been converted, whilst 76 additional w.c's were provided for old properties, and the number of new w.c's provided for new houses was 1,410. This leaves in the entire district only 40 privies and 18 pail closets. Some ofthese are in areas where the property is already condemned and is due for demolition, 8 are waiting for the necessary work to be carried out, and the remainder are connected with outlying properties where there is neither a sewer nor septic tanks to deal with same.

SEWERAGE AND DRAINAGE

Requests have been made for the Council to take over the maintenance of the small sewage disposal plant connected to Hawksworth Hall.

The Surveyor was instructed to prepare plans and estimates for the sewering of the village of Hawksworth.

Investigations were made into the presence of tar in the effluent at the Esholt outfall works, this was traced to Messrs. Crompton Parkinson's Ltd., Guiseley.

The approximate number of houses in the district not connected to the public sewers of the district is 160.

SANITARY ACCOMMODATION

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	Total
No. of Privies with open middens	15	15	12	12	12	12	12	12	6	6	6
No. of Pail closets	18	18	18	18	18	18	18	18	18	18	18
No. of Privies with covered middens	186	138	90	44	42	42	42	42	41	34	34
No. of w.c's	8423	8940	9141	9215	9241	9742	9742	9742	9754	9819	9819
No. of waste w.c.	20	20	20	20	20	20	20	20	15	15	15
No. of Privies reconstructed as w.c.	102	48	51	46	2	-	-	-	7	7	263
No. of additional w.c's for old property	7	4	10	18	24	-	-	-	5	8	76
No. of new w.c's for new houses	244	465	140	10	-	501	-	-	-	50	1410

WATER SUPPLY

The District of Aireborough is provided with two public water supplies, viz. the Guiseley undertaking which is owned by the Aireborough Urban District Council, and which provides the parish of Guiseley, and the Yeadon Waterworks Company, which is a private Company, and which supplies the remainder of the District.

Samples of water are regularly taken for bacteriological and chemical examination of the supplies by the Sanitary Inspector's Department. The supply provided by Guiseley is chiefly borehole water and therefore is inclined to be hard. The water gathered by the Yeadon Waterworks Company is moorland water and therefore soft, and a constant check is kept on this supply, in the Council's Laboratory by the installation of an electrically-operated pH Recorder, as also is the water pressure in the mains by a recording pressure gauge. The water is of good purity in both cases; the only complaint the Council have is with regard to the presence of alumina in the Reva supply, but the Directors of the Company have actively pursued this matter in conjunction with the Sanitary Inspector's Department and the Industrial and Scientific Research Department on water pollution, and various firms of Engineers, and a power plant is being installed so as to carry out experiments for the elimination of this foreign body. The Yeadon Waterworks Company have a trade water main of untreated water, this supply being essential for the dyeing of the textile industries of the District.

The Yeadon Waterworks have connected their new Carlton borehole supply to the Haw area of Yeadon, so as to supplement this supply when the Reva supply is getting low. We have received complaints from the residents in this area that when the Carlton supply is turned on there is hardness of the water, but the water is not excessively hard. However, the Company have applied to the Ministry of Health for permission to instal a water softening plant.

New mains have been laid in the following areas:-

87 yds	- 3"	Queen Street,
135 "	- 3"	Farwell Rd. Farwell Fold, Airedale View,
112 "	- 3"	James Street and George Street,
42 "	- 3"	Alexandra Terrace,
72 "	- 3"	Highfield Terrace,
110 "	- 3"	Harper Rock.

92 new services have been laid in Yeadon and Rawdon.

The Aireborough Council decided to give a public supply of water to Moor View Farm at an estimated cost of £1,300, representing an annual loan charge of £96 with an estimated income of £50.

The approximate number of houses not on a public water supply in the district is 92, but the majority of these have piped supplies from private sources.

ATMOSPHERIC POLLUTION

Smoke abatement legislation is a difficult problem to enforce, due to the fuel crisis and the different types of fuel which is having to be burned to keep the textile industries fully employed. For instance, some firms are burning rubber or other waste materials to keep this important section of industry in production. Therefore it is impossible to rigidly work to local Bye-laws. Advice is given and visits made to the various boiler plants where necessary.

Recordings of the pollution of the atmosphere in the district were commenced on the 8th July, 1946, in conjunction with the Department of Scientific and Industrial Research, Atmospheric Pollution Section. These recordings were made on as many days as possible during the ensuing months, and consisted of drawing a known volume of air through (a) a filter paper to deposit smoke on a circle of 1" diameter, and (b) a solution of hydrogen peroxide to determine the sulphur dioxide content. All results were tabulated and the average values per month calculated. Sixty-three daily tests were made in the six months.

Sulphur dioxide, expressed in parts per million.

	Highest	Average	Lowest
July	0.031	0.013	0.002
August	0.0372	0.0211	0.0052
September	0.045	0.023	0.006
October	0.0395	0.0152	0.0033
November	0.2110	0.0500	0.0050
December	0.1582	0.0927	0.0273

Smoke, expressed as milligrams per cubic metre.

July	0.1970	0.1120	0.0640
August	0.1906	0.1189	0.0890
September	0.2620	0.1380	0.0720
October	0.1926	0.1048	0.0561
November	0.5160	0.2060	0.0450
December	0.2778	0.2083	0.1389

These records are charted so that changes in atmospheric pollution may be shown in future years by the present policy of introducing smokeless fuel grates.

AMBULANCE SERVICE

The Council run a free Ambulance service for the district and during the financial year ending 31st March, 1947, 677 cases have been dealt with. These cases comprise 285 of illness and infirmity, 120 of accidents and injuries, of which 24 were road accidents, 108 of recurring treatment, 84 of operations, 73 of maternity and 7 due to deaths and Coroners' Inquests.

The mileage covered was 10,188 miles.

The service has been entirely satisfactory, but owing to the new Health Services Act, the Ambulance service will be transferred to the County Council as from the 1st October, 1947.

During the War the Council sponsored an Emergency Ambulance Service in conjunction with the W.V.S. and Troops were moved by volunteers from as far North as Middlesbrough to the South coast. This service was discontinued, the two emergency ambulances having run 22,660 miles and conveyed 2,605 patients connected with the armed forces.

The W.V.S. received in payment a total of £626-19-3 from the Army authorities and subscriptions for their services. The Council then allowed the W.V.S. to dispose of the Fordson Emergency vehicle for £347-10-0, making a total of £974-9-3. The money was expended as follows:-

Repairs, oil, petrol	£187-2-6
Comforts for wounded soldiers, viz. buses and seats at Empire Theatre, sweets, cigarettes and refreshments	£306-6-9
R.A.F. Benevolent Fund	£ 80-0-0
Star & Garter Home, Richmond	£ 80-0-0
St. Dunstans	£ 80-0-0
Wounded Warriors	£ 80-0-0
Mission to Seamen	£ 80-0-0
British Legion	£ 81-0-0
	£974-9-3

All the money received was returned to the troops for their comfort and entertainment.

In addition, the artists from the Empire Theatre gave a weekly show at the Highroyds Emergency Hospital, sponsored by the emergency W.V.S. ambulance drivers.

RATS AND MICE

Two hundred and seventy visits have been made for the elimination of rodents in the district, and baiting has been carried out where necessary. As previously reported, we are not infested with rats in the sewers proper; a percentage check bait was taken over the district and the result was nil. This is due to the fall in the sewers of the district and the constant flushing of same, thereby making it impossible for rats to exist therein.

SITES OTHER THAN SEWERS

Sites or Premises	Points baited	Takes noted
3	10	10
7	34	19
4	16	10
5	13	8
7	26	9
5	17	7
6	19	10
5	15	7
42	150	80
Sewers 57	57	-
Grand Total 99	207	80